

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 1 AND WHISKEY BOTTOM ROAD IN HOWARD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

CONTROLLER OPERATION

THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. CONTROLLER OPERATION WILL NOT BE CHANGED. WORK WILL CONSIST OF REPLACING DETECTORS AND AJUSTING SIGNAL HEAD LOCATIONS FOR MAINTENANCE OF TRAFFIC.

PHASING WILL NOT CHANGE

EQUIPMENT LIST "B"

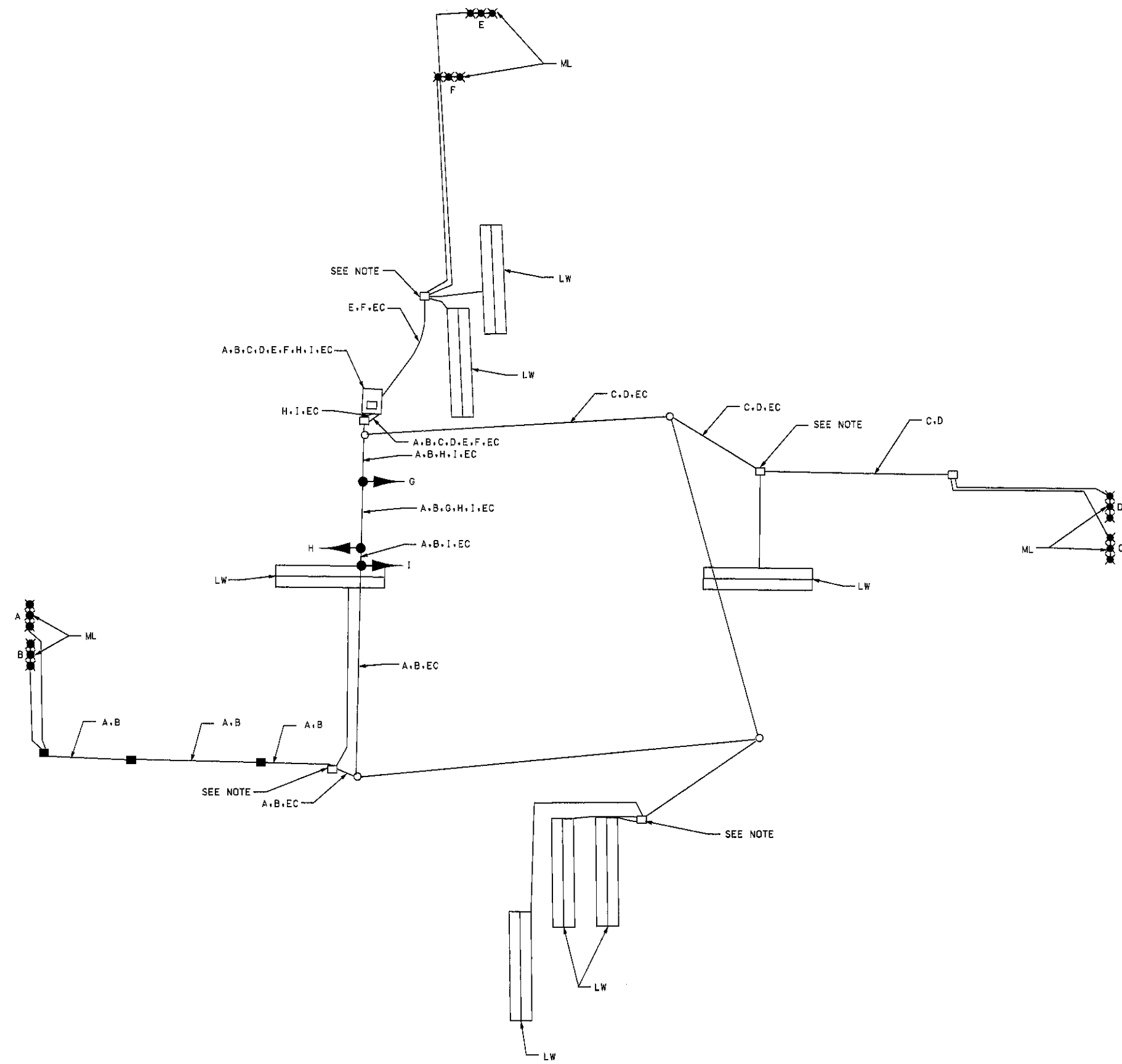
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.		
CATEGORY CODE NO.	QUANTITY	DESCRIPTION
585624	160 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
801605	56 SF	SHEET ALUMINUM SIGNS
862101	2800 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
810555	4 EA	MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
862102	1600 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
805160	65 LF	1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
805125	330 LF	2 IN. DIAMETER PVC ELECTRICAL CONDUIT, SCHEDULE 80, TRENCHED
805105	60 LF	2" SCHEDULE 80 RIGID PVC CONDUIT - BORED
811001	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
861107	30 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
861108	220 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
860265	11 EA	RELOCATE EXISTING SIGNAL HEAD
800000	2 EA	RELOCATE EXISTING SIGN
813010	4 EA	BAND SIGN TO SIGN SUPPORT
800000	1 EA	REMOVE EXISTING SIGN
810550	2 EA	MICRO-LOOP PROBE WITH 500 FT. LEAD-IN

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA.

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
NONE		

WIRING DIAGRAM



WIRING KEY  
A-F MICRO-LOOP PROBE LEAD-IN  
G 8-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)  
H-I 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)  
LW MICRO-LOOP PROBE  
EC EXISTING CABLE  
LW LOOP WIRE

NOTE:  
SPLICE NEW LOOP WIRE TO EXISTING 7-CONDUCTOR (ALUMINUM SHIELDED) CABLE IN HANDHOLE

CONTACT PERSONS FOR DISTRICT 7 ARE AS FOLLOWS:

MR. JOHN CONCANNON  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
(301) 624-8141

MR. JIM BUCKALEW  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
(301) 624-8110

MR. DAVID COYNE  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(301) 624-8106

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.  
CHIEF, TRAFFIC OPERATIONS  
(410) 787-7630

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
(410) 787-7676

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF,  
TRAFFIC OPERATIONS  
(410) 787-7631

MR. DAVID SCHWARTZ  
SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE)  
(410) 787-7668

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
(410) 787-7652

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.		
ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "D"

ALL EQUIPMENT REMOVED AND NOT RETURNED TO SHA WILL BECOME THE PROPERTY OF THE CONTRACTOR.

TRAFFIC CONCEPTS, INC.

Brightview Business Center  
325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION SHEET  
US 1 AT WHISKEY BOTTOM ROAD

DRAWN BY: M. HOWELL	F.A.P. NO.	TS NO.	SHEET NO. OF
CHECKED BY: T. ZAYDEL	S.H.A. NO.	791 GI	
SCALE: NONE	COUNTY: HOWARD	T.I.M.S. NO.	
DATE: JUNE, 2002	LOG MILE: 13000100.97		